

Low Profile Lift Apparatus

Abstract

A lifting apparatus comprising: one of a mobile / or and stationary base; a lift platform having a geometric first center, the lift platform movable relative to the base from a lowered position to an upper position; a linkage or linkage mechanism interconnecting the base and the lift platform for guiding the base and the lift platform to stay in a generally mutually parallel relationship as the lift platform moves relative to the base; the base, lift platform and linkage configured so that when the lift platform in its lowered position the first center intersects the base at a first point and with the lift platform in its upper position the first center intersects the base at a longitudinally off-set second point; and a fluid (fluid / pneumatic) control spring operatively mounted between the lift platform and the base, for controllably lifting and lowering the lift platform.